(54) Title: TIRE PRESSURE ESTIMATION
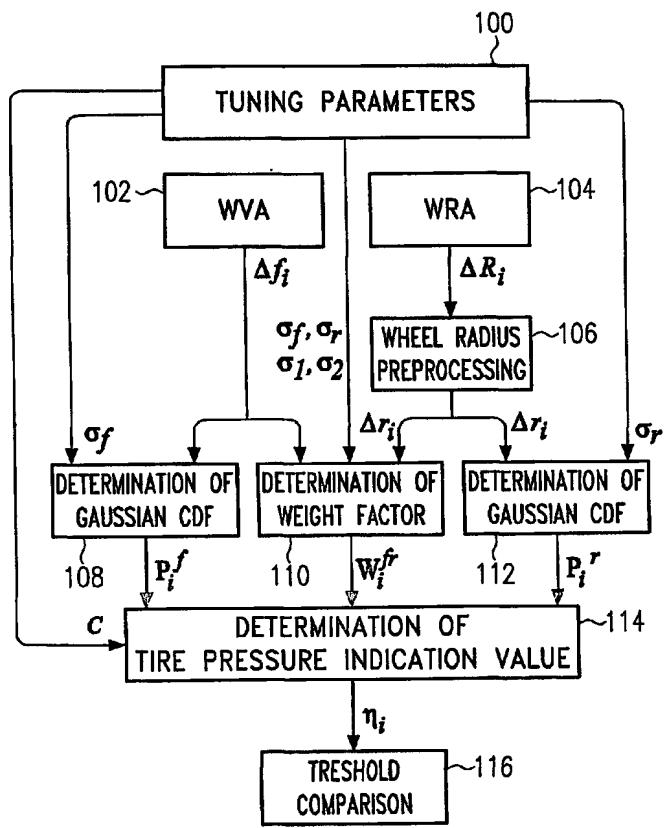
(57) Abstract: A method of estimating the occurrence of a specific tire pressure deviation between actual and nominal pressure values for one or a plurality of wheels (i) is provided. One or more wheel radius analysis measurement values (ΔR) are subsequently obtained from a wheel radius analysis component (104), wherein the wheel radius analysis measurement values (ΔR) are related to single wheel radius values (Δr_i) of which each is indicative of the wheel radius of a particular wheel (i). One or more wheel vibration data values (Δf_i) are subsequently obtained from a wheel vibration analysis component (102), wherein each of the wheel vibration data values (Δf_i) is indicative of a vibration phenomena in the time dependent behavior of the rotational velocity of a particular wheel (i). One or more tire pressure output values (η_i, Δ_{pi}) are calculated on the basis of both the wheel radius analysis measurement values (ΔR) and the wheel vibration data values (Δf_i) wherein each tire pressure output value (η_i, Δ_{pi}) is indicative of the specific tire pressure deviation for a particular wheel (i).

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

—   *with international search report*

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